

# Saket Raj

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🐙 GitHub    </> LeetCode

## Summary

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Final year Electronics and Communication Engineering student with experience in software development, machine learning, and full stack development. Looking for a Software Development Engineer role to apply my technical expertise in building scalable solutions.

## Education

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**B.N.M Institute of Technology** *Dec 2021 – Present*  
Bachelor of Engineering (B.E.)  
Electronics and Communication Engineering  
GPA: 8.25

## Experience

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**System Analyst** *Sept 2023 – Nov 2023*  
Senquire Analytics Pvt. Ltd.

- Optimised system performance by reducing memory usage using Linux profiling tools like *htop*.
- Analyzed real-time traffic patterns for a Camera Traffic Generator project, improving efficiency.

## Projects

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**Shoplifting Detection using Machine Learning** *Nov 2024 – Present*

- Developing a machine learning model using YOLO and OpenCV for real-time shoplifting detection.
- Implementing behaviour analysis for shoplifting patterns and an automated alert system.
- Tools Used: Python, YOLO, OpenCV, Git, Jupyter Notebook.

**Camera Traffic Generator** *Nov 2023*

- Developed a React-based UI for an AI-driven defect detection system on conveyor belts.
- Integrated camera interfaces for real-time traffic management and analytics.
- Tools Used: Git, GitHub, Linux, React, OpenCV, JSON.

## Skills

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**Programming Languages:** C, Java, Python, JavaScript  
**Database and Tools:** MySQL, Git, GitHub, Linux  
**Frameworks and Technologies:** HTML, CSS, REST API Development (Flask, Spring Boot), AWS (EC2, RDS, Lambda), MVC Architecture, OpenCV, YOLO  
**Software Development Concepts:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOPs), DevOps

## Courses and Certifications

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- Software Engineering (Infosys Springboard)
- Developing and Deploying Software in the Cloud (IBM SkillBuild)

## Extracurricular Activities

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- Committee Member in Cycle Street Event (2024)
- Member of TedxBNMIT
- Member of NSS